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(54) **Title:** IMPROVED CONTROL METHOD FOR A GAS APPLIANCE OR BOILER

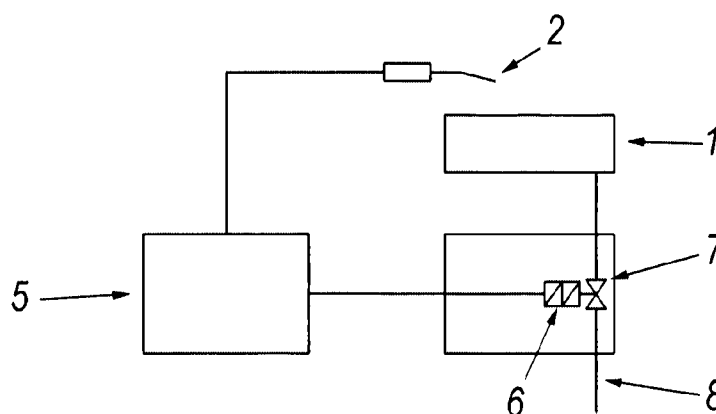


Fig. 1

(57) **Abstract:** A method for controlling a gas appliance or boiler to reduce the number of orifices positioned in corresponding gas feed lines to a burner (1), said gas being fed by a conduit in which a shut-off and/or turndown valve (7) is positioned, a flame sensing member (2) being provided in proximity to the burner, a control unit (5) being provided to command and control the correct operation of the appliance. This unit is connected to and controls the shut-off valve on the basis of the characteristics of the gas combustion in the burner and modifies the flow of this gas by intervening on the valve to achieve a combustion within predefined parameters independently of the type of gas fed, such orifices being at least partially replaced by a calibrated hole.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 924 859 A (NOLTE HUBERT [DE] ET AL) 20 July 1999 (1999-07-20) column 3, line 3 - column 4, line 15; figures -----	1-5,7
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X	DE 100 45 270 A1 (HEATEC THERMOTECHNIK GMBH [DE]) 28 March 2002 (2002-03-28) the whole document ----- -/-	1,7

☒ Further documents are listed in the continuation of Box C.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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